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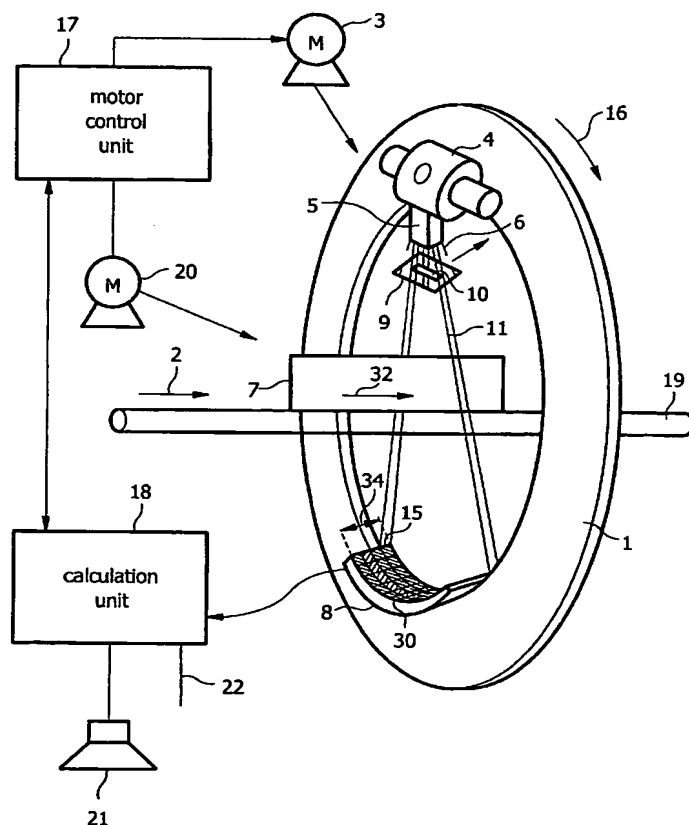
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(57) Abstract: According to the present invention, an asymmetric acquisition system is used, where the radiation detector is arranged asymmetrically with respect to a fan beam plane of the scanner. Advantageously, this may allow to increase a scatter angle range for a given detector height in the direction of the rotational axis. Furthermore, this may allow for an optimal data flow for a combined volume absorption distribution reconstruction and subsequent coherent scatter CT reconstruction.



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